

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/001928

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04B 7/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04B 7/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

KOREAN PATENTS AND APPLICATIONS FOR INVENTIONS SINCE 1975

KOREAN UTILITY MODELS AND APPLICATIONS FOR UTILITY MODELS SINCE 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

KIPONET, DELPHION & Keywords : reverse, capacity, user, number, rise, thermal, interference and similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 2002/0186657 A1 (AVINASH JAIN ET AL.) 12 December 2002 * paragraphs [0033] - [0043], figures 1-3 *	1 - 9 10 - 45
X Y	US 2003/0093364 A1 (SAMSUNG ELECTRONICS CO., LTD.) 15 May 2003 * paragraphs [0052] - [0072], figures 3-6 *	11 - 19 1 - 9, 20 - 45
Y	WO 00/33475 A2 (QUALCOMM INCORPORATED) 8 June 2000 * page 5 line 18 - page 8 line 21 *	1 - 45
X Y	US 2002/0141349 A1 (KI JUN KIM ET AL.) 3 October 2002 * the whole document *	11 - 19 1 - 9, 20 - 45

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered

to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

22 OCTOBER 2004 (22.10.2004)

Date of mailing of the international search report

25 OCTOBER 2004 (25.10.2004)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

SHIN, Jun Ho

Telephone No. 82-42-481-8129



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/001928

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002/186657 A1	12-12-2002	CA 2449444 A1 EP 1393510 A1	12-12-2002 03-03-2004
US 2003/093364 A1	15-05-2003	KR 2003035969 A	09-05-2003
WO 00/33475 A2	08-06-2000	AU 1840600 A AU 7726300 A CN 1359567 T CN 1385006 T EP 1145462 A2 EP 1145462 A3 EP 1216523 A1 JP 2002531990 T JP 2003528481 T US 6192249 B1 US 6442398 B1 WO 0033475 A3 WO 0124404 A1	19-06-2000 30-04-2001 17-07-2002 11-12-2002 17-10-2001 11-09-2002 26-06-2002 24-09-2002 24-09-2003 20-02-2001 27-08-2002 10-01-2002 05-04-2001
US 2002/141349 A1	03-10-2002	CN 1371219 A EP 1231807 A2 EP 1231807 A3 KR 2002066590 A KR 2003005899 A KR 2003024442 A	25-09-2002 14-08-2002 22-01-2003 21-08-2002 23-01-2003 26-03-2003